

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



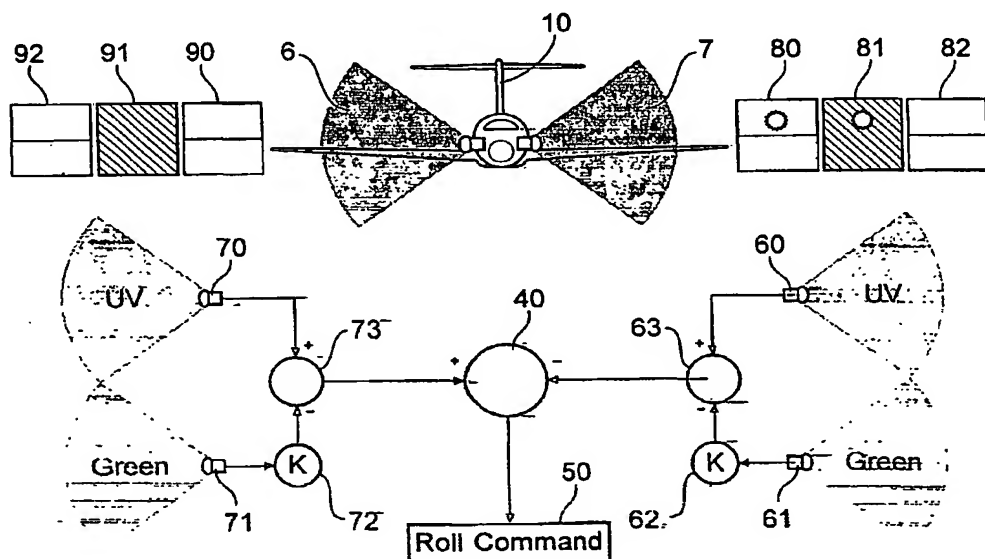
(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/010236 A1

- (51) International Patent Classification⁷: **G05D 01/08**
- (21) International Application Number:
PCT/AU2003/000915
- (22) International Filing Date: 18 July 2003 (18.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2002950271 19 July 2002 (19.07.2002) AU
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: OPTICAL STABILIZATION SYSTEM



(57) Abstract: A method and apparatus are described for controlling the attitude of a vehicle (10) in a space having at least two opposed viewable regions (6, 7), each region being viewed by a respective first sensor (60, 70) for sensing a first frequency band of electromagnetic radiation and a respective second sensor (61, 71) for sensing a second frequency band of electromagnetic radiation, wherein respective first and second data sets from the first (60, 70) and second sensors (61, 71) for each regions (6, 7) are produced, these second data sets are subsequently modified (62, 72) and combined (63, 73) with the first data sets to form respective third data sets for each region (6, 7). The attitude of the vehicle (10) is then adjusted (40) until the third data sets are substantially equal.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU03/00915

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: G05D 01/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI: IPC G05D 01/08 and keywords: radiation, electromagnetic, infrared, ultraviolet, attitude, autopilot and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5168152 A (KELLEY) 1 December 1992 Entire document, in particular column 1 line 59 to column 2 line 39	53
A	US 5719567 A (NORRIS) 17 February 1998 Entire document	1-54
A	US 4628206 A (ASTHEIMER) 9 December 1986 Entire document	1-54

☒ Further documents are listed in the continuation of Box C ☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" Document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" Document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" Document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 3 September 2003	Date of mailing of the international search report 18 SEP 2003
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00915

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3162764 A (HAVILAND) 22 December 1964 Entire document	1-54
A	US 2740961 A (SLATER) 3 April 1956 Entire document	1-54

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/AU03/00915

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
US	5168152	NONE					
US	5719567	AT	232631	AU	6026296	CA	2224989
		CN	1114182	CN	1189231	DE	69626222
		EP	0880769	JP	2001501751	WO	9638831
US	4628206	NONE					
US	3162764	NONE					
US	2740961	NONE					